

Contents

Volume 245

| | |
|--|-----|
| JIN-HSIEN WANG (Kaohsiung, Taiwan, Republic of China) Product of Invertible Operators of Quadratic Type | 1 |
| STEWART W. NEUFELD (Winnipeg, Canada) A Diameter Bound on the Exponent of a Primitive Directed Graph | 27 |
| RAÚL ANDRADE AND ALICIA LABRA (Santiago, Chile) On a Class of Baric Algebras | 49 |
| I. GOHBERG (Tel-Aviv, Israel), M. A. KAASHOEK, AND J. KOS (Amsterdam, The Netherlands) The Asymptotic Behavior of the Singular Values of Matrix Powers and Applications | 55 |
| NAUM KRUPNIK (Ramat-Gan, Israel) AND STEFFEN ROCH (Leipzig, Germany) On Invertibility Symbols in Banach Algebras | 77 |
| J. RUDOLPH (Stuttgart, Germany) Duality in Time-Varying Linear Systems: A Module Theoretic Approach | 83 |
| J. W. HOFFMANN (Kaiserslautern, Germany) and P. A. FUHRMANN (Beer Sheva, Israel) On Balanced Realizations of Bounded Real and Positive Real Functions | 107 |
| ZHI-HAO CAO, JIN-JUN XIE (Shanghai, People's Republic of China), AND REN-CANG LI (Berkeley, California) A Sharp Version of Kahan's Theorem on Clustered Eigenvalues | 147 |
| KIRILL A. KOPOTUN (Edmonton, Alberta, Canada) A Note on the Convexity of the Sum of Subpermanents | 157 |
| KEITH G. WOODGATE (London, United Kingdom) Least-Squares Solution of $F = PG$ Over Positive Semidefinite Symmetric P | 171 |
| SAMBHAVI LAKSHMINARAYANAN (New York, New York) AND R. CHANDRASEKARAN (Richardson, Texas) Tessellation and g -Tessellation of Circulants, Q_6 , and Q_6^t | 191 |
| ETTORE FORNASINI AND MARIA ELENA VALCHER (Padova, Italy) On the Spectral and Combinatorial Structure of 2D Positive Systems | 223 |
| PATRICK J. RABIER AND WERNER C. RHEINBOLDT (Pittsburgh, Pennsylvania) Classical and Generalized Solutions of Time-Dependent Linear Differential-Algebraic Equations | 259 |

Table of Contents continued

| | |
|---|-----|
| M. KOPPINEN (Turku, Finland) | |
| Three Automorphism Theorems for Triangular Matrix Algebras | 295 |
| D. J. HARTFIEL (College Station, Texas) | |
| Similitudes and the I_1 -Norm | 305 |
| HERNÁN ABELEDO (Washington, D.C.) AND YOSEF BLUM (Haifa, Israel) | |
| Stable Matchings and Linear Programming | 321 |
| NICOLAU C. SALDANHA AND CARLOS TOMEI (Rio de Janeiro, Brazil) | |
| The Accumulated Distribution of Quadratic Forms on the Sphere | 335 |
| J. A. DIAS DE SILVA (Lisboa, Portugal) | |
| New Conditions for Equality of Decomposable Symmetrized Tensors . . . | 353 |
| AUTHOR INDEX | 373 |